

12
ORIGINAL

Form 3

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APR 4 2006

Illinois Commerce Commission
RAIL SAFETY SECTION

STATE OF ILLINOIS

ILLINOIS COMMERCE COMMISSION

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d).

X-12418

Date: March 24, 2006

706-0035

To the **ILLINOIS COMMERCE COMMISSION**:

724672G

The petitioner Norfolk Southern Railway Company shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.
- (3) That the location of the crossing, nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are to:

Modification of Grade Crossing Warning Devices requested by Illinois Commerce Commission

at: CR-1950E. in Hoffman, Clifton County, Illinois, DOT: 724672G, MP. 53.18-W.

File No. 061-04.565

Project No. 04.0045

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.

Norfolk Southern Railway Company

By R. H. Ray
R. H. Ray, Administrator
Highway Grade Crossings

Thomas W. Ambler
(Attorney for Petitioner)

Norfolk Southern Corporation
Three Commercial Place
Norfolk, VA 23510-2191

(Attorney's Address)

DOCKETED

protection or to install new protection, under 92 Illinois Administrative Code 1535.400(d).

1. Name of Railroad Company Norfolk Southern Railway Company
2. Crossing Number 724672G
3. Village or City Hoffman
4. Name of Street or Highway CR-1950E
5. Public Agency Maintaining Highway City
6. Protection now established:
Passive crossing with only crossbucks.
7. Protection desired:
Modify grade crossing warning devices, to include flashing lights with gates and bell controlled by
constant warning time detection equipment.
8. Number of main tracks One Other tracks None
9. Number of passenger movements:
6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None
10. Number of freight train movements:
6 a.m. to 6 p.m. Eight 6 p.m. to 6 a.m. Seven
11. Approximate number of switch movements:
6 a.m. to 6 p.m. Two 6 p.m. to 6 a.m. None
12. Maximum speed of trains at crossing on each track in each direction:
North/East 60 M.P.H Main
South/West 60 M.P.H Main
13. Passenger platforms served by tracks within the limits of track circuits, if any None

14. Where automatic signals or gates are proposed, approximate number of train or engine movements daily which would cause false indications or operation:

None

15. Nature and approximate amount of street or highway traffic over crossing:

125 AADT

16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (side lights, cantilevers, etc., if any).
- (e) Show the length of each operating track section within the control limits of the crossing protection and its function.

ADDITIONAL INFORMATION

Drawing attached for question no. 16

VERIFICATION

I, R. H. Ray, first being duly sworn upon oath depose and say that I am
Administrator – Highway Grade Crossings, of Norfolk Southern Railway Company, a
Virginia corporation; that I have read the above and foregoing petition by me subscribed and know the
contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon
information and belief, and as to those, I believe same to be true.


Administrator - Highway Grade Crossings

Subscribed and sworn to before me this 24 th.
day of March, 20 06.

Notary Public (Georgia) or Witness

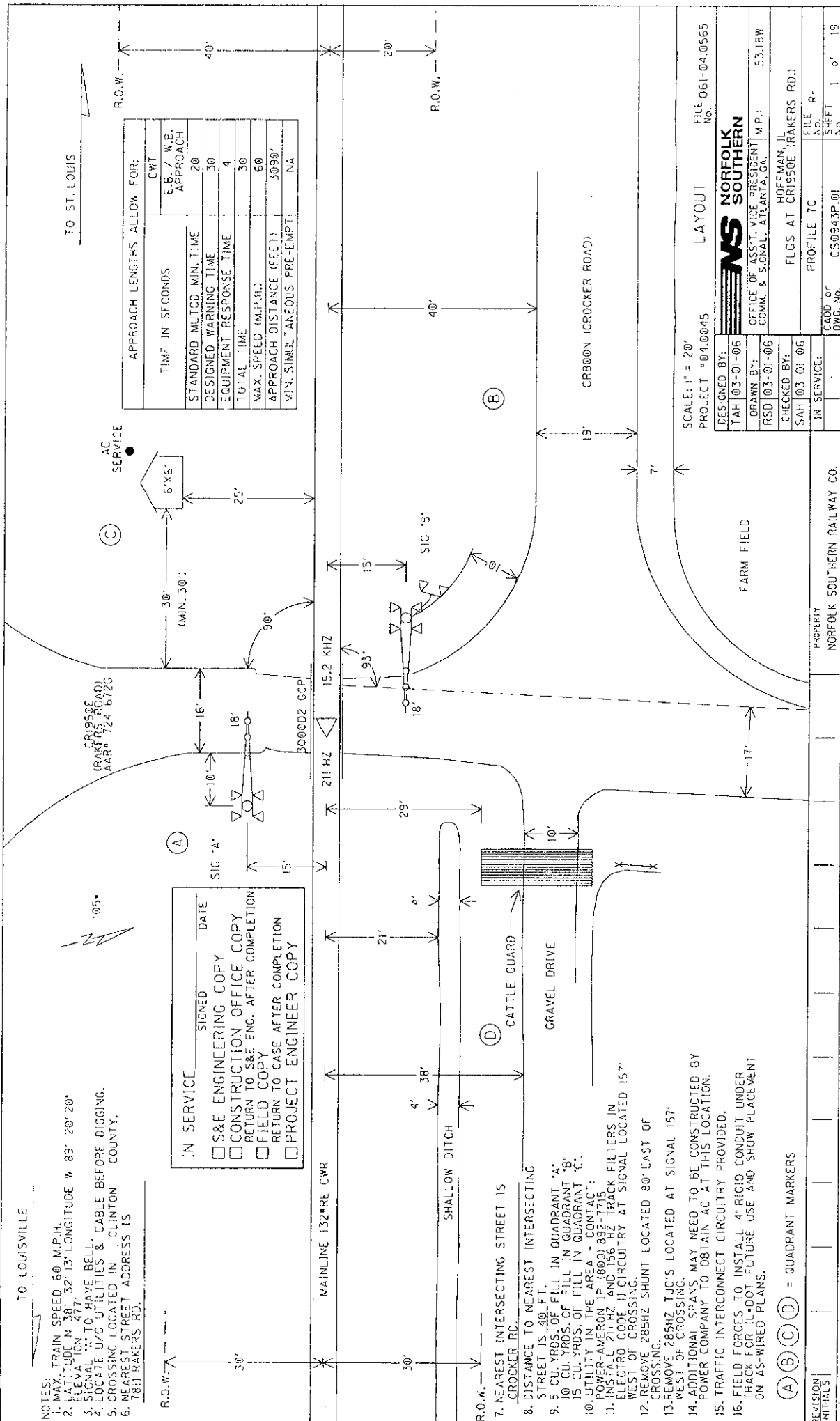
My Commission Expires: _____

TO LOUISVILLE

- NOTES:
1. MAX. TRAIN SPEED 60 M.P.H.
 2. LATITUDE N 38° 32' 13" LONGITUDE W 89° 20' 20"
 3. ELEVATION 477'
 4. SIGNAL "A" TO HAVE BELL.
 5. LOCATE U/G UTILITIES & CABLE BEFORE DIGGING.
 6. CROSSING LOCATED IN CLINTON COUNTY.
 7. NEAREST STREET ADDRESS IS 7811 RAKERS RD.

R.O.W. ---

IN SERVICE	SIGNED	DATE
<input type="checkbox"/>	S&E ENGINEERING COPY	
<input type="checkbox"/>	CONSTRUCTION OFFICE COPY	
<input type="checkbox"/>	RETURN TO S&E ENG. AFTER COMPLETION	
<input type="checkbox"/>	FIELD COPY	
<input type="checkbox"/>	RETURN TO CASE AFTER COMPLETION	
<input type="checkbox"/>	PROJECT ENGINEER COPY	



7. NEAREST INTERSECTING STREET IS CROCKER RD.
8. DISTANCE TO NEAREST INTERSECTING STREET IS 40' FT.
9. 5 CU. YDS. OF FILL IN QUADRANT "A".
10. 10 CU. YDS. OF FILL IN QUADRANT "B".
11. 15 CU. YDS. OF FILL IN QUADRANT "C".
12. UTILITY IN THE AREA - CONTACT: POWER AMERON (P 800) 892-1715. ELECTRICAL CODE 11 CIRCUITRY AT SIGNAL LOCATED 15' WEST OF CROSSING.
13. REMOVE 285HZ SHUNT LOCATED 80' EAST OF CROSSING.
14. REMOVE 285HZ TJC'S LOCATED AT SIGNAL 157' WEST OF CROSSING.
15. ADDITIONAL SPANS MAY NEED TO BE CONSTRUCTED BY POWER COMPANY TO OBTAIN AC AT THIS LOCATION.
16. TRAFFIC INTERCONNECT CIRCUITRY PROVIDED.
17. FIELD FORCES TO INSTALL 4" RICH CONDUIT UNDER TRACK FOR IL-DOT FUTURE USE AND SHOW PLACEMENT ON AS-WIRED PLANS.

(A) (B) (C) (D) = QUADRANT MARKERS

SCALE: 1" = 20'

PROJECT #04.0045

LAYOUT

FILE 061-04.0565

DESIGNED BY:	TAH 03-01-06
DRAWN BY:	RSD 03-01-06
CHECKED BY:	SAH 03-01-06
IN SERVICE:	

NORFOLK SOUTHERN

OFFICE OF ASST. VICE PRESIDENT
COMM. & SIGNAL, ATLANTA, GA. M.P.: 53.18W

HOFFMAN, IL
FLCS AT CR1950E (RAKERS RD.)

FILE R-
NO. 7C
SHEET 1 of 19

CADD or DWG. No. CS0943P.01

PROPERTY
NORFOLK SOUTHERN RAILWAY CO.



20-Mar-06

Round Figure Estimate for Grade Crossing Warning Devices

City/State: HOFFMAN, IL

Road: RAKERS RD.

MilePost: 53.18-W

DOT/AAR: 724672G

State Proj. No.:

County: CLINTON

S&E Proj. No.: 04.0045

AFE:

Man Days: 88

File Number: 061-04.0565

Purchases - Others	
Meals and Lodging:	\$8,279.88
Rental of Equipment:	\$18,101.60
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 22 Days)	
Construction Supervision Vehicle:	\$1,448.13
Purchases - Other Total:	\$27,829.61
Material And Additives	
Material Cost:	\$79,183.00
Sales and Use Tax:	\$3,959.00
Material Handling Freight:	\$3,959.13
Material Total:	\$87,101.13
Labor And Additives	
Labor Cost:	\$21,296.00
(4 man crew at \$968.00 a day for: 22 days)	
Payroll Tax & Overheads:	\$21,008.50
Preliminary Engineering:	\$8,842.12
Construction Supervision:	\$6,011.86
Labor Total:	\$57,158.48
Project Cost:	\$172,089.22
Scrap / Salvage Credit:	\$0.00
Project Total:	\$172,089.22

Estimated on: 20-Mar-06

Estimated by: enjab

Estimate valid for 1 year from date of estimate



Norfolk Southern Railway

Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	HOFFMAN
Road:	RAKERS RD.
Mile Post:	53.18-W
Drawing Number:	CS0943P
State ProjectNumber:	
County:	CLINTON
A A R Number:	724672G
Project Number:	04.0045
File Number:	061-04.0565
A F E Number:	
Store Number:	
Supervisor:	J.E. BROWNE
Tax Code:	1200
Vendor to supply the following copies after pricing: 1 Set - Material Management with original Invoice 2 Sets - with plans shipped in car with material 1 Set - S&E Gen. Supt. Construction w/copy of invoice	

Location: HOFFMAN		IL	S&E Proj. No.: 04.0045		AFE No.:		Drawing No.: CS0943P		
Store No.:		P.O. Number:		Date Required:		Date Shipped:		Vendor: Railroad Signal Design	
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions
3	670-360693-4	EA	\$5.04	\$15.12	AAR/DOT NUMBER PLATE/DECAL, ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY S'TRAN.				
1	165-006505-4	EA	\$1,051.54	\$1,051.54	AC SERVICE, COMPLETE LESS METER BASE, ASSEMBLED ON 30' POLE				
10	670-119241-4	EA	\$32.80	\$328.00	ARRESTOR, LIGHTNING HEAVY DUTY CLEAR VIEW SAFETRAN 022585-1X				
1	670-711979-4	EA	\$70.92	\$70.92	ASSEMBLY, SIX-WIRE SIMULATED TRACK BURIAL, SAFETRAN 80074				
13	105-871901-4	EA	\$161.57	\$2,100.41	BATTERY,GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS				
2	670-980689-4	EA	\$71.71	\$143.42	BRACKET HIGH WIND, (RIGID 3'), WIG- 191036, WALRUS TUSK TYPE				
2	670-561375-4	EA	\$1,197.90	\$2,395.80	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS				
1	670-356949-4	EA	\$97.00	\$97.00	CABLE, 10' GENERATOR HOOK UP, SERRMI P/N 40524, FEMALE CONNECTOR				
900	465-292862-4	LF	\$1.04	\$936.00	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR				
3200	465-292945-4	LF	\$1.35	\$4,320.00	CABLE, U-5-14, S-54 OKONITE 206-14-6885				
300	465-939422-4	LF	\$2.55	\$765.00	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL				
300	465-791835-4	FT	\$2.22	\$666.00	CABLE, UG AC ENTRANCE 3C#6-7X OKONITE FMPF-L 094-078 TR W/G 1 X 8 7X W010 BRZ TAPE 600V PRODUCT CODE 206-11-6070				
120	165-544477-4	FT	\$2.55	\$306.00	CONDUIT, 4"x10' PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4				
25	670-918555-4	EA	\$3.70	\$92.50	CONNECTOR, WEB TRACK 1IN X 4IN LONG, FOR SHUNT CONN TO RAIL, INCLUDES WELD METAL & MOLDS (ERICO #SBTBBU4A)				
2	670-090450-4	EA	\$50.38	\$100.76	CONNECTOR,WELDED FAR RAIL HARMON A1000-2W				
2	670-486646-4	EA	\$41.62	\$83.24	CONNECTOR,WELDED NEAR RAIL HARMON A1000-1W				
2	670-793404-4	EA	\$838.37	\$1,676.74	COUNTERWEIGHT PKAGE, 17-24"GATE STRAN S- MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS				
APPROVED BY STATE			APPROVED BY RAILROAD			CAR NUMBER		SEAL NUMBER	

Location: HOFFMAN			IL	S&E Proj. No.: 04.0045	AFE No.:	Drawing No.: CS0943P			
Store No.:			P.O. Number:		Date Required:	Date Shipped:	Vendor: Railroad Signal Design		
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions
5	670-760012-4	EA	\$40.02	\$200.10	COVER, FOR 1 WAY FLASHING LIGHT ASSY. 18 OZ. BLACK VINYL COATED NYLON. ===== TO COVER 2 LAMPS=====				
1	670-986650-4	EA	\$375.69	\$375.69	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER				
1	670-228165-4	EA	\$10.73	\$10.73	EQUALIZER, SAFETRAN 022700-1X LESS BASE, MODERN NO. 700-1 SHUNT ARRESTER TRACK CIRCUITS CR 02-197950				
1	670-000004-4	EA	\$700.00	\$700.00	FCC LICENSE FOR MONITOR/RADIO				
2	670-000003-4	EA	\$255.85	\$511.70	FILL/STONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST				
1	670-012724-4	EA	\$289.30	\$289.30	FILTER, ELECTRO CODE 156HZ REJECTION PART # TF-156				
1	670-012732-4	EA	\$289.30	\$289.30	FILTER, ELECTRO CODE 211HZ REJECTION PART# TF-211				
2	670-015231-4	EA	\$423.50	\$847.00	FOUNDATION, DIXIE, S-2 GATE 56" ASSEMBLED				
2	670-257031-4	EA	\$297.88	\$595.76	GATE, ARM FIBERGLASS-ALUMINUM 17-24 FT., INCLUDES GATE GUARD FOR GATE LIGHT CABLE, NEG P/N 8002-244NFS/CG				
1	670-921451-4	EA	\$43.57	\$43.57	INDUCTOR, SIMULATED TRACK SAFETRAN 8V617-0200				
1	670-477991-4	EA	\$317.90	\$317.90	KIT, GROUNDING ASSY FOR ALI/S INCLUDES 8 GRD RDS, 200' #4 WIRE, 12 4 WIRE ONE-SHOTS, ERICO SBK206				
1	670-123298-4	EA	\$256.93	\$256.93	KIT, HARDWARE SUPPLIES REQUIRED X'ING PACKAGES. WEB CONNECTORS FOR SHUNT(8EA) TAPE, AMPS, P'GUM PAINT, SLEEVES, TAGS, GLUE, 100 EA WHITE TAGS,)NE CAN BLUE MARKING PAINT ETC....				
1	670-745798-4	EA	\$533.19	\$533.19	LAMP ASSY, 4" GRD. MAST MTG. 1W IND. 20" BKGRD, FLX-12 W/BULB STRAN #042003-484XNS				
2	670-764166-4	EA	\$907.65	\$1,815.30	LAMP ASSY, 5" MAST MTG. 2W IND. 20" BKGRD, FLX-12 W/BULB STRAN #042003-487XNS				
6	165-643547-4	EA	\$4.30	\$25.80	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/1SC CLEAR RWY SIGNAL UJ-71463 GE				
4	255-590880-4	EA	\$16.12	\$64.48	LOCK, AMERICAN LOCK MODEL H-10KA KEYS ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"				
1	610-160272-4	EA	\$1,289.40	\$1,289.40	MAST, 5" ALUMINUM (0&45) LEFT FOR LIGHT UNIT & BRACKET @ 45 DEG. LEFT W/DBL. JCT. BOX BASE #070519-153X-2				
1	670-637778-4	EA	\$1,031.41	\$1,031.41	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE. STRAN P# 070519-11AX.				
APPROVED BY STATE			APPROVED BY RAILROAD			CAR NUMBER		SEAL NUMBER	

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions
1	670-000985-4	EA	\$198.44	\$198.44	MAST, SIDE LIGHT BRACKET F/5"MT. HARMON @225834-XXX, SAFETRAN 041442-26X,				
2	670-521147-4	EA	\$2,932.81	\$5,865.62	MECHANISM, GATE MODEL S40, WITH CONTACT HEATER, COMPLETE W/RELAY S'TRAN # 074000-W00090				
2	670-014233-4	EA	\$981.85	\$1,963.70	MODULE, DAX FOR 3000 GCP SAFETRAN #80016				
2	670-001347-4	EA	\$63.27	\$126.54	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR				
1	255-646807-4	EA	\$10.38	\$10.38	PADLOCK, SAFETRAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX				
1	670-514605-4	EA	\$8.45	\$8.45	PINNACLE, W-C SECT 1-11, 4'x 5' REF K1 110-8 OR SAFETRAN NO. @035045-503X				
3	670-555609-4	EA	\$45.12	\$135.36	PLUGBOARD, TYPE B-1 GRS A62-506 OR HARMON @7062-506 OR				
1	165-103293-4	EA	\$62.43	\$62.43	PROTECTOR, LIGHTNING & SURGE LPC 10560-51, 3 ELECTRODE WITH SPADE TERMINAL				
1	165-902002-4	EA	\$308.00	\$308.00	PROTECTOR, SURGE 120/240VAC, ERICO P/N EPD120/240TDFL				
5	465-002899-4	EA	\$22.06	\$110.30	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES				
1	670-742096-4	EA	\$41.80	\$41.80	RELAY INTERFACE PROBE, ULTRATECH PN 16031-00				
1	670-707995-4	EA	\$313.67	\$313.67	RELAY, TYPE B1, NEV LINE, 900 OHMS, .008 AMPERES GRS A62-308 OR SAFETRAN @400003				
2	435-805560-4	EA	\$6.25	\$12.50	SAND, 25LB BAG FOR CABLE ENTRANCE INTO THE SHELTER				
1	670-391911-4	EA	\$5,329.57	\$5,329.57	SEARII AUTOMATED INSPECTOR SYSTEM KIT, w/ 1-ILOD, 1-eBELL, 2-GTS, 2-MTSS, 1-GFT, 1-VHFC, 2-RECORDER INTERFACE MODULE, 1-ECHELON CONNECTOR				
1	670-281280-4	EA	\$7,006.00	\$7,006.00	SHELTER BARE 6X6, ALUMN, FARADAY, W/CABLE CHUTES BEHIND TERMINAL BOARD, W/GEN. CONN. W/ADJUSTABLE PIERS, ,SAFTETRAN P/N 058400-66-78A				
3	670-586967-4	EA	\$37.68	\$113.04	SHUNT COVER W/LAG SCREWS, 19"X19", SERRMI #40271, ORDER 1 PER SHUNT				
2	670-652773-4	EA	\$470.56	\$941.12	SHUNT, MULTI-FREQ. #62775-1543 SAFETRAN NARROW BAND				
1	670-645460-4	EA	\$596.03	\$596.03	SHUNT, MULTI-FREQ. #62775-8621 SAFETRAN NARROW BAND				

APPROVED BY STATE	APPROVED BY RAILROAD	CAR NUMBER	SEAL NUMBER
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Location: HOFFMAN			IL		S&E Proj. No.: 04.0045		AFE No.:		Drawing No.: CS0943P	
Store No.:			P.O.Number:		Date Required:		Date Shipped:		Vendor: Railroad Signal Design	
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions	
2	670-393331-4	EA	\$37.43	\$74.86	SIGN CROSSING MALFUNCTION ASSEMBLY FOR 4" AND 5" MAST, SAFETRAN #T17215					
2	670-806648-4	EA	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546					
2	670-006438-4	EA	\$11.09	\$22.18	TAPE, 4" X 96" REFLECTIVE APPLY TO BACK OF X-BUCK SIGN. ONLY IN IA., IN., IL., AL. 035200-555X					
2	670-330382-4	RL	\$11.50	\$23.00	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS. "WARNING STOP DIGGING"					
3	610-065626-4	EA	\$17.55	\$52.65	ULTRA-TECH 15206-01 CONNECTIVITY BLOCK FOR GRS B1 RELAY					
1	670-262739-4	EA	\$31,408.11	\$31,408.11	WIRED RACK, 6X6 FARADAY, 20AMP DOUBLE TRK SSCCIIIA, GCP3000D2, 2 CRAGG CHARGER, 2 RELAY RACKS, SAFTRAN P/N 20A 2TRK, USE WITH I/S 670-281280-4 W/CABLE CHUTES BEHIND THE FARADAY SHIELD					
APPROVED BY STATE			APPROVED BY RAILROAD			CAR NUMBER		SEAL NUMBER		